Application No.   10/001,253   Filing Date   June 20, 2003   Filing Date   June 20, 2003   First Inventor   June 20, 2003   Filing Date   June 20, 2003   First Inventor   June 20, 2003   First Inven						
Filing Date   June 20, 2003   First Inventor   Joseph M. Jeddeloh et al.   Group Art Unit   2185   Examiner Name   Hong Chong Kim   Atty, Docket Number   501191.01   FEE CALCULATION (Continued)   Image: Small control of the property of th	¿Effective on 12/08/04		_		Complete if Known	
First Inventor Joseph M. Jeddeloh et al.  Group Art Unit 2 185  Examiner Name Hong Chong Kim  Atty. Docket Number 50191.01  S. The Director is hereby authorized to charge any additional fee required under 37 C-F.R. \$1. and 1.1.7 and 1.136(a)(3) and credit any over payments to Deposit Account No. 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP.  To Check Enclosed.  Extra Claim Fee  Subbtoal (Extra Claims \$0.0 \$0.0 \$0.0 \$5.0 \$0.0 \$0.0 \$0.0 \$0.0		Application No.			10/601,253	
First Inventor   Joseph M. Jeddeloh et al.	P FEE TO A NOMITT AL CHEET	Filing Date			June 20, 2003	
State   Part	/O' "AA\		First Inventor		Joseph M. Jeddeloh et al.	
Atty, Docket Number   Sof191.01	(F1 2005)	Examiner Name			2185	
Atty, Docket Number   Sof191.01	MAY I L E				Hong Chong Kim	
Raccord is hereby authorized to charge any additional fee required under 37 C.F.R. §5.1.16 and 1.17 and 1.136(a)(3) and credit any over payments to Deposit Account No. 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP.   Check Enclosed.	Applicant claims small entity status (see 37 C.F.R. 1.27)	Atty. Docket Number			501191.01	
	HOD OF PAYMENT (Check One)	FEE CALCULATION (Continued)				
ceredit any over payments to Deposit Account No. 50-1266; Deposit Account Name: DORSEY & WHITNEY LLP.    Social Deposit Account Name: DORSEY & WHITNEY LLP.	X The Director is hereby authorized to charge any additional fee				3. ADDITIONAL FEES	
Surface   Coverent Claims	credit any over payments to Deposit Account No. 50-1266;	Entity	Entity		·	Fee paid
Current Claims Prior Extra Fee Fee Paid 10d 50	X Check Enclosed.	50	cov			\$
Current Claims	Extra Claim Fees					\$
Ind. 4 4 9 0 X \$2.00 = \$0 Multiple Dependent Claims		180	180			\$180
Petition Fee Under 37 CFR 1.17(f), (g), & (h)   1,020   510   Extension for reply within first month   1,020   510   Extension for reply within for reply within fourth month   1,020   510   Extension for reply within fourth month   1,020   510	Ind. 4 - 4 = 0 x \$200 = \$0	40	40			\$
Enclosed is a Petition Flee under 37 CFR 1.7f(f), (g), & (h)  Feetition Fee under 37 CFR 1.7f(f), (g), & (h)  Fee \$400  \$ 1.53 (1.52)		120	60	Exte	ension for reply within first month	\$
Enclosed is a Petition filed under 37 CFR as indicated below:    Petition Fee under 37 CFR 1.17(f)   Fee \$400     \$ 1.53(e)   to accord a filing date.   to		450	225	Exte	ension for reply within second month	\$
Petition Fee under 37 CFR 1.17(f)   Fee \$400   \$1,590   T95   Extension for reply within firth month   \$1,53(e)   \$1,57(e)   to accord a filing date.		1,020	510	Exte	ension for reply within third month	\$
\$ 1.33(e) to accord a filing date \$ 1.57(e) to accord a filing date \$ 1.57(e) to accord a filing date \$ 1.57(e) to accord a filing date \$ 1.73(e) to accord a filing date \$ 1.73(e) to suspend the rules. \$ 1.37(e) to suspend the rules. \$ 1.73(e) to suspend the rules. \$ 1.74(e) to accord a filing date to an application under \$1.74(e) to accord a filing date to an application under \$1.74(e) to accord a filing date to an application under \$1.74(e) to accord a filing date to an application under \$1.74(e) to access to an application of a paper and of information. \$ 1.33(e) to accept a maintain and the access to an application of a request for ext. of time when \$1.33(a) not avail. \$ 1.133(e) to accept a maintain and accept and accept a maintain and accept and accept a maintain and accept a maintain and accept and accept and accept and accept and accept and accept and a		1,590	795	Exte	ension for reply within fourth month	\$
\$ 1.182 for decision on a question not provided for. \$ 1.182 for decision on a question not provided for. \$ 1.182 for access to an asplication under §1.740 for extension of patent term.    Petition Fee under 37 CFR 1.17(g)   Fee \$200     \$ 1.12 for access to an assignment record.   \$ 1.14 for access to an assignment record.   \$ 1.15 for access to an assignment of information.   \$ 1.16 for access to an assignment of information.   \$ 1.17 for liling by other than all inventors or person not the inventor. for expungment of information.   \$ 1.18 for access to an asplication.   \$ 1.19 for access to an asplication.   \$ 1.19 for access to an asplication.   \$ 1.19 for access to an application.   \$ 1.10 for accessing the accessing	§ 1.53(e) to accord a filing date.	2,160	1,080	Exte	ension for reply within fifth month	\$
\$ 1.376(e) for reconsideration of decision on petition refusing delayed payment of maintenance fee in expired patent. to accord a filing date to an application under \$1.740 for extension of patent term.    Petition Fee under 37 CFR 1.17(g)   Fee \$200     \$ 1.12   for access to an assignment record.	§ 1.182 for decision on a question not provided for.	790	395	Sub	mission After Final 1.129	\$
\$ 1.174(b) to accord a filing date to an application under § 1.740 for extension of patent term.    Petition Fee under 37 CFR 1.17(g)   Fee \$200	§ 1.378(e) for reconsideration of decision on petition refusing delayed				• •	\$
Petition Fee under 37 CFR 1.17(g)   Fee \$200		1			- ,,	\$
\$ 1.12 for access to an assignment record. \$ 1.14 for access to an application. \$ 1.15 for access to an application. \$ 1.16 for expungement of information. \$ 1.103(a) for expungement of information. \$ 1.136(b) for review of a request for ext. of time when § 1.136(a) not avail. \$ 1.136(b) for review of a request for ext. of time when § 1.136(a) not avail. \$ 1.296 for review of a request for ext. of time to publish a statutory invention registration. \$ 1.296 for review of decision refusing to accept a maintenance fee filed prior to expiration of a patent. \$ 1.550(c) for request for ext. of time in exparte reexam, proceedings. \$ 1.255 for request for ext. of time in exparte reexam, proceedings. \$ 1.551 for expedited handling of foreign filing license. \$ 1.525 for retroactive license.  \$ 1.196 for changing the scope of a license. \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for retroactive license.  \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for retroactive license.  \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for retroactive license.  \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for retroactive license.  \$ 1.296 for expedited handling of foreign filing license. \$ 1.296 for retroactive license.  \$ 1.290 Feltion for Revive – unavoidable \$ 1.500 750 Petition to Revive – unintentional \$ 1.500 750 Petition to Revive – unintentional \$ 1.500 750 Petition for Revive – unintentional \$ 1.500	l <u> </u>			•	-	\$
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\$ 1.295 for review of refusal to publish a statutory invention registration. \$ 1.296 to withdraw a req. for pub. after notice of intent to publish issued. \$ 1.377 for review of decision refusing to accept a maintenance fee filed prior to expiration of a patent.  \$ 1.550(c) for request for ext. of time in ex parte reexam. proceedings. \$ 1.956 for request for ext. of time in ex parte reexam. proceedings. \$ 5.12 for expedited handling of foreign filing license. \$ 5.15 for changing the scope of a license.  Petition Fee under 37 CFR 1.17(h) \$ 1.96(g) to request documents in a form other than provided in this part. \$ 1.984 for entry of a model or exhibit. \$ 1.99 to make an application special. \$ 1.138(c) to make an application special. \$ 1.331 to withdraw an application from issue.  Submitted by:  CUSTOMER NUMBER	§ 1.103(a) to suspend action in an application.		395	(RC	E)	\$
\$ 1.377 for review of decision refusing to accept a maintenance fee filed prior to expiration of a patent. \$ 1.550(c) for request for ext. of time in ex parte reexam. proceedings. \$ 1.956 for request for ext. of time in ex parte reexam. proceedings. \$ 5.12 for expedited handling of foreign filing license. \$ 5.15 for changing the scope of a license. \$ 1.525 for retroactive license.    Petition Fee under 37 CFR 1.17(h)   Fee \$130   \$ 1.19(g) to request documents in a form other than provided in this part. \$ 1.91 for accepting color drawings or photographs. \$ 1.102(d) to make an application special. \$ 1.313 to defer issuance of a patent.    Submitted by:    CUSTOMER NUMBER	§ 1.295 for review of refusal to publish a statutory invention registration.					\$
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\$ 5.12 for expedited handling of foreign filing license. \$ 5.15 for retroactive license.  Petition Fee under 37 CFR 1.17(h)  \$ 1.19(g) to request documents in a form other than provided in this part. \$ 1.84 for accepting color drawings or photographs. \$ 1.192(d) to make an application special. \$ 1.138(c) to expressly abandon an application to avoid publication. \$ 1.313 to withdraw an application from issue. \$ 1.314 to defer issuance of a patent.  Submitted by:  CUSTOMER NUMBER 27,076  Petition Fee under 37 CFR 1.17(h) Fee \$130  1,120  CTHER FEE (specify)  OTHER FEE (specify)  Subtotal (Additional Fees) \$ 18  Submitted by:  CUSTOMER NUMBER 27,076  DORSEY & WHITNEY LLP  1420 Fifth Avenue, Suite 3400 Seattle, WA 98101-4010 (206) 903-8800 phone I (206) 903-8820 fax  Reg. No.: 26,847  Date:	§ 1.550(c) for request for ext. of time in ex parte reexam. proceedings.	1	750			<u>\$</u>
\$ 1.5.25 for retroactive license.  Petition Fee under 37 CFR 1.17(h)  \$ 1.19(g) \$ 1.19(g) to request documents in a form other than provided in this part. For accepting color drawings or photographs. \$ 1.91 for entry of a model or exhibit. \$ 1.102(d) to make an application special. \$ 1.138(c) to expressly abandon an application to avoid publication. \$ 1.313 to withdraw an application from issue. \$ 1.314 to defer issuance of a patent.  Submitted by:  CUSTOMER NUMBER 27,076  DORSEY & WHITNEY LLP  1420 Fifth Avenue, Suite 3400 Seattle, WA 98101-4010 (206) 903-8820 fax  Name: Edward W. Bulchis  Reg. No.: 26,847  Date:	§ 5.12 for expedited handling of foreign filing license.				• •	
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\$ 1.313 to withdraw an application from issue. to defer issuance of a patent.  Submitted by:  CUSTOMER NUMBER DORSEY & WHITNEY LLP 1420 Fifth Avenue, Suite 3400 Seattle, WA 98101-4010 (206) 903-8800 phone / (206) 903-8820 fax  Name: Edward W. Bulchis Reg. No.: 26,847  Date:	I The state of the				Subtotal (Additional Fees)	\$180
CUSTOMER NUMBER 27,076  DORSEY & WHITNEY LLP 1420 Fifth Avenue, Suite 3400 Seattle, WA 98101-4010 (206) 903-8800 phone / (206) 903-8820 fax  Reg. No.: 26,847 Date:	§ 1.313 to withdraw an application from issue.				Total Amount of Payment:	\$180
27,076  Seattle, WA 98101-4010 (206) 903-8800 phone / (206) 903-8820 fax  Reg. No.: 26,847  Date:	Submitted by:					
Name: Edward W. Bulchis Reg. No.: 26,847  Date:	l l					
Oa / /// / Date:	27,076					
	Name: Edward W. Bulchis				Reg. No.: 26,847	
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PATENT

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1450, Alexandria, VA 22313-1450.

Date /

Denise Sheridan

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 10/601,253 Confirmation No. : 6694

Applicants: Joseph M. Jeddeloh et al.

Filed : June 20, 2003 Attorney Docket No.: 501191.01

Art Unit : 2185 Customer No. : 27,076

Examiner: Hong Chong Kim

Title : POSTED WRITE BUFFERS AND METHODS OF POSTING WRITE REQUESTS IN

**MEMORY MODULES** 

## SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Mail Stop AF Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

In accordance with 37 C.F.R. §§ 1.56 and 1.97 through 1.98, applicants wish to make known to the Patent and Trademark Office the references set forth on the attached form PTO-1449 (copies of the cited references, as required under 37 C.F.R. § 1.98, are enclosed). Although the aforesaid references are made known to the Patent and Trademark Office in compliance with applicants' duty to disclose all information they are aware of which is believed relevant to the examination of the above-identified application, applicants believe that their invention is patentable.

I hereby certify that no item set forth on the attached form PTO-1449 was first cited in a communication from a foreign patent office in a counterpart foreign application and, to our knowledge, after making reasonable inquiry, no item of information set forth on the attached

form PTO-1449 was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. (37 C.F.R. § 1.97(e)(2))

A fee of \$180 is submitted in accordance with 37 C.F.R. § 1.97(d). The Commissioner is authorized to charge any other fees which may be required, or credit any overpayment to Deposit Account No. 50-1266. A duplicate copy of this sheet is enclosed.

Please acknowledge receipt of this Information Disclosure Statement and kindly make the cited references of record in the above-identified application.

Respectfully submitted, DORSEY & WHITNEY LLP

Edward W. Bulchis

Registration No. 26,847

EWB:dms
Enclosures:

Postcard Check Fee Transmittal Sheet (+copy) Copy of Supp. IDS Form PTO-1449 Cited References (6)

1420 Fifth Avenue, Suite 3400
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FORM PTO-1449 (REV.7-80) U.S. DEPARTMEN PATENT AND TRA

Reets if necessary)

INFORMATION DISCLOSURE STATEMENT

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. 501191.01

APPLICATION NO. 10/601,253

APPLICANT(S)

Joseph M. Jeddeloh et al.

FILING DATE
June 20, 2003

GROUP ART UNIT 2185

## **U.S. PATENT DOCUMENTS** \*EXAMINER DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FILING DATE INITIAL IF APPROPRIATE 6,145,033 11/07/00 AA Chee 710 57 6,212,590 B1 04/03/01 ΑB Melo et al. 710 119 6,460,108 B1 10/01/02 McCoskey et al. 710 AC 310 6,704,817 B1 03/09/04 Steinman et al. 710 AD 100 2004/0122988 A1 06/24/04 Han et al. 710 5 ΑE 08/12/04 2004/0158677 A1 Dodd 711 118 AG ΑH ΑI ΑJ ΑK ΑL AMΑN ΑO ΑP AQ AR AS AT ΑU ΑV AW AX**EXAMINER** DATE CONSIDERED

\* EXAMINER:

conformance and not considered. Include copy of this form with next communication to applicant(s).

Initial if reference considered, whether or not criteria is in conformance with MPEP 609. Draw line through citation if not in